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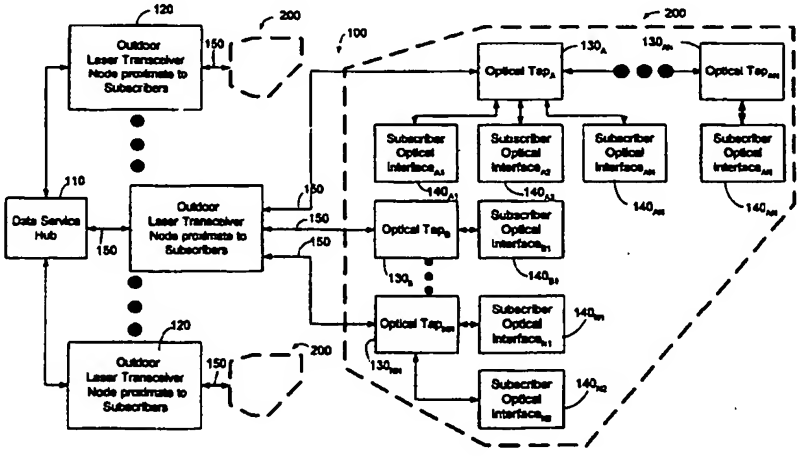
[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR COMMUNICATING OPTICAL SIGNALS BETWEEN A DATA SERVICE PROVIDER AND SUBSCRIBERS



(57) Abstract: An optical fiber network can include an outdoor laser transceiver node that can be positioned in close proximity to the subscribers of an optical fiber network. The outdoor laser transceiver node does not require active cooling and heating devices that control the temperature surrounding the laser transceiver node. The laser transceiver node can adjust a subscriber's bandwidth on a subscription basis or on an as-needed basis. The laser transceiver node can also offer data bandwidth to the subscriber in preassigned increments. Additionally, the laser transceiver node lends itself to efficient upgrading that can be performed entirely on the network side. The laser transceiver node can also provide high speed symmetrical data transmission. Further, the laser transceiver node can utilize off-the-shelf hardware to generate optical signals such as Fabry-Perot (F-P) laser transmitters, distributed feed back lasers (DFB), or vertical cavity surface emitting lasers (VCSELs).

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B10/207

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GIOK-DJAN KHOE ET AL: "COHERENT MULTICARRIER TECHNOLOGY FOR IMPLEMENTATION IN THE CUSTOMERACCESS" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 11, no. 5/6, 1 May 1993 (1993-05-01), pages 695-713, XP000396703 ISSN: 0733-8724 page 701, left-hand column, paragraphs 3,4,7 page 698, left-hand column, line 3-6	24,25, 31-33, 35,37,40
Y	figures 9-11,13	1,2,9, 11-16, 20,21, 38,41, 45-48, 50,52

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
10 June 2002	17/06/2002

Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LINNELL L R: "A WIDE-BAND LOCAL ACCESS SYSTEM USING EMERGING-TECHNOLOGY COMPONENTS" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. SAC - 4, no. 4, 1 July 1986 (1986-07-01), pages 612-618, XP000313571 ISSN: 0733-8716 page 614, line 6 - line 11; figures 2,3,6	1,2,9, 11-16, 20,21, 38,41, 45-48, 50,52
A	EP 0 720 322 A (ALCATEL NV) 3 July 1996 (1996-07-03) figure 2	1,21,24, 41

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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